­



Politecnico di Milano

A.A. 2015-2016

Software Engineering 2: “MyTaxi”

Project Reporting

Manzi Giuseppe (mat. 854470) &

Nicolini Alessandro (mat. 858858)

CONTENTS

[1. Introduction 4](#_Toc440978579)

[1.1 Revision History 4](#_Toc440978580)

[1.2 Purpose and Scope 4](#_Toc440978581)

[1.3 List of Reference Document 4](#_Toc440978582)

[2. Integration Strategy 4](#_Toc440978583)

[2.1 Entry Criteria 4](#_Toc440978584)

[2.2 Element to be Integrated 4](#_Toc440978585)

[2.3 Integration Testing Strategy 5](#_Toc440978586)

[2.4 Sequence of Component 5](#_Toc440978587)

[2.4.1 Software Integration Sequence 6](#_Toc440978588)

[3. Individual Steps and Test Description 7](#_Toc440978589)

[3.1 Integration test case I1 7](#_Toc440978590)

[3.2 Integration test case I2 7](#_Toc440978591)

[3.3 Integration test case I3 7](#_Toc440978592)

[3.4 Integration test case I4 8](#_Toc440978593)

[3.5 Integration test case I5 8](#_Toc440978594)

[3.6 Integration test case I6 8](#_Toc440978595)

[3.7 Integration test case I7 9](#_Toc440978596)

[3.8 Integration test case I8 9](#_Toc440978597)

[4. Tools and Test Equipment Required 10](#_Toc440978598)

[5. Program Stubs and Test Data Required 10](#_Toc440978599)

# 1. Introduction

# 2. Functional Point

## 2.1 Introduction

Calculated in the first phases of the development process, Functional Point is a way to estimate the effort to develop a software product depends on the RASD functionalities of our “MyTaxy”.

The functionalities has been groped in:

* **Internal Logical File (ILF):** homogeneous set of data used and managed by our application (User or Past Request File in the DataBase)
* **External Interface File (EIF):** data used by our application but generated and maintained by other applications, in our project Google Maps
* **External Input:** elementary operation to elaborate data coming form the external environment such as login, insert user, request and reservation
* **External Output**: elementary operation that generates data for the external environment, it usually includes the elaboration of data from logic files
* **External Inquiry:** Elementary operation that involves input and output without significant elaboration of data from logic files such as Notification, request detail ecc

## 2.2 Element to be Integrated

See the Design Document

The element to be integrated are the View, with the sub component MobileApp and the Web Server, the Controller, with the sub-component Request Manager and the Authentication, the Queue Manager( Taxi and request Queue Manager) and the Accounting of User and PastRequest.

## 2.3

# 3. COCOMO aproach

## 3.1 Integration test case I1

# 4. Schedule

# 5. Allocate Resource

# 6. Risk

For the project, their relevance and the associated recovery